

Amendments to the specification:

Please replace paragraph beginning on page 4, line 15 with the following paragraph:

Figure 2. Tag clone arrangement in a plasmid vector. Each Tag gene consists of linked GenFlex™ (Affymetrix, Inc., Santa Clara, CA) Tag sequences, arranged so that transcription from the T3 promoter, (SEQ ID NO. 2067) aattaaccctcactaaagg, makes poly(A)-tailed sense (Tag) RNA, and T7 transcription makes antisense (Tag probe) RNA.

Figure 3. BigTag clone arrangement in a plasmid vector.

Please replace paragraph beginning on page 51, line 8 with the following:

Preferably, in accordance with one aspect of the present invention, the first promoter is a T3 promoter. In a preferred embodiment the second promoter is a T7 promoter, (SEQ ID NO. 2068) tatagtgcgtctatta). Transcription can be performed either in vivo or in vitro, in accordance with the present invention. It is also preferred that the nucleic acid array is an Affymetrix GeneChip® Array.

Please replace the paragraph beginning at page 53, line 32 with the following:

TagA 501bp (SEQ ID NO. 2051)

Please replace the paragraph beginning at page 54, line 12 with the following:

TagB 467bp (SEQ ID NO. 2052)

Please replace the paragraph beginning at page 54, line 25 with the following:

TagC 579bp (SEQ ID NO. 2053)

Please replace the paragraph beginning at page 55, line 9 with the following:

TagD 519bp (SEQ ID NO. 2054)

Please replace the paragraph beginning at page 55, line 23 with the following:

TagE 578bp (SEQ ID NO. 2055)

Please replace the paragraph beginning at page 56, line 7 with the following:

TagF 660bp (SEQ ID NO. 2056)

Please replace the paragraph beginning at page 56, line 24 with the following:

TagG 760bp (SEQ ID NO. 2057)

Please replace the paragraph beginning at page 57, line 11 with the following:

TagH 848bp (SEQ ID NO. 2058)

Please replace the paragraph beginning at page 57, line 31 with the following:

TagI 940bp (SEQ ID NO. 2059)

Please replace the paragraph beginning at page 58, line 22 with the following:

TagJ 960bp (SEQ ID NO. 2060)

Please replace the paragraph beginning at page 59, line 13 with the following:

TagN 998bp (SEQ ID NO. 2061)

Please replace paragraph beginning at page 60, line 5 with the following:

TagO 998bp (SEQ ID NO. 2062)

Please replace the paragraph beginning at page 60, line 28 with the following:

TagQ 1000bp (SEQ ID NO. 2063)

Please replace the paragraph beginning at page 61, line 20 with the following:

TagIN 1944bp (SEQ ID NO. 2064)

Please replace the paragraph beginning at page 62, line 30 with the following:

TagIQ (INOQ) 3849bp (SEQ ID NO. 2065)

Please replace the paragraph beginning at page 65, line 15 with the following:

TagIQ.EX (3849 bp; the 2 bp differences from TagIQ are underlined and in bold) (SEQ ID NO. 2066)